

OER PROJECT

(i) bin
→ Eşimnos Kâdôs
use of LEDs

©BR
Sandra Schön and
Martin Ehner
2018

Originally developed in German for
OERinfo - Informationsstelle OER
(2017) - <https://open-educational-resources.de/er-oer-canvas-tell-1/>

THE LEARNING RESOURCE

Which resource should be developed?
For example learning video, textbook, worksheet, online course

type of resource

Who will learn with this resource?
For example: students 4th grade, Bavaria, Germany

target group

What prior knowledge is needed?

use of red LEDs with proximity sensors

What should be known afterwards?

learning goals

USE OF THE RESOURCE(S)

In which context?
For example: in learning maths

Learning Maths, STEAM, basic programming of Arduino



Who will use it?
For example: teachers and parents of fourth grade students

users

LICENSE OF THE RESOURCE(S)

How to use the resource?
(see: <https://creativecommons.org/choose/>)

Who should we acknowledge (attribution of people and organisations)?

FORMAT OF THE RESOURCE(S)

Which formats should be supported? For example for a textbook: html, odt or pdf?

mp4
video format

where will be published?

learning video

shortcuts learning robots

learning to programme Arduino

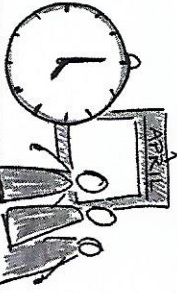
teachers students 12-17 y.o

open ended

open CC

CitHub download 31yk-version/-1-b1n

PROJECT ORGANISATION



WHEN?	WHAT?	TOOLS!	WHO?
October 2019	project plan	Pencil and paper Basic design of idea	2 teachers 12 students
October 2019	partner search	Getting a group of students involved	2 teachers 12 students
November 2019	organisation	Arduino tutorials	2 teachers 6-12 students
December 2019	draft materials	Getting Arduino kit, LEDs, testing the code	2 teachers 6-12 students
February 2020	quality assurance	Adding LEDs to breadboard trials with code	2 teachers 6-12 students
February 2020	layout/production	Adjusting values make video	2 teachers 6-12 students
March-April 2020	publication/PR	license it (upload it) present share	2 teachers 4-12 students

EFFORT (IN HOURS)

2 hours
2 hours
2 hours
2 hours
6 hours
2 hours

WHAT ELSE CAN BE DONE WITH THE OER?

EXISTING MATERIALS

Youtube tutorials
Forum Arduino CC
Audacity
OpenShot
Google Classroom

PARTNERS

Who else do we need?

DISTRIBUTING THE OER

ARCHIVING THE OER

CitHub

CitHub

- Give credit in the attribution
- Prepare a printed version for the authors
- Create distributable resource
- Share programming code
- re-used (re-edited)

Translated by the
authors with support
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